ORDER NO.HAD8801004C8

Service Manual

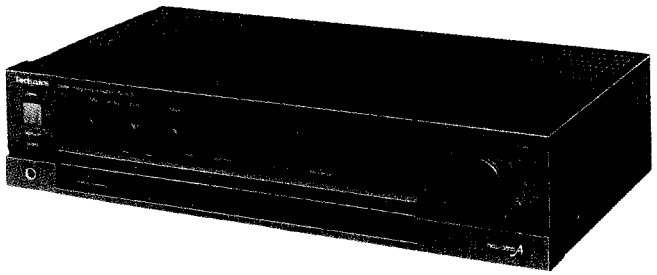
Amplifier

Stereo Integrated Amplifier

SU-600

Color

(S) .....Silver Type
(K) .....Black Type



Area

Color	Area
(S)(K)	(E) .....Continental Europe.
(S)(K)	(EH) .....Holland.
(S)(K)	(XL) .....Australia.
(S)(K)	(XA) .....Asia,Latin America,Middle Near East,Africa and Oceania.
(S)(K)	(EK) .....United Kingdom.
(S)(K)	(EB) .....Belgium.
(S)(K)	(EF) .....France.
(S)(K)	(EG) .....F.R.Germany.
(S)(K)	(Ei) .....Italy.
(K)	(XB) .....Saudi Arabia.

SPECIFICATIONS

(DIN 45 500)

■ AMPLIFIER SECTION

40 Hz ~ 20 kHz continuous power output	
both channels driven	2 x 40W (8Ω)
1 kHz continuous power output	
both channels driven (THD: 1%)	2 x 50W (8Ω)
Total harmonic distortion	
rated power at 40 Hz ~ 20 kHz	0.05% (8Ω)
half power at 1 kHz	0.03% (8Ω)
Intermodulation distortion	
rated power at 60 Hz:7 kHz = 4:1,SMPTE,8Ω	0.05%
Power bandwidth	
both channels driven,-3 dB	10 Hz ~ 25 kHz (8Ω,0.05%)
Damping factor	50 (8Ω)
Input sensitivity and impedance	
PHONO	2.5 mV/47 kΩ
TUNER,CD/AUX	150 mV/22 kΩ
TAPE/EXT	150 mV/22 kΩ
PHONO maximum input voltage (1 kHz,RMS)	150 mV
S/N	
rated power(8Ω)	
PHONO	71 dB (IHF,A:72 dB)
TUNER,CD/AUX,TAPE/EXT	90 dB (IHF,A:98 dB)
Frequency responce	
PHONO	RIAA standard curve ± 0.8 dB(30 Hz ~ 15 kHz)
TUNER,CD/AUX,TAPE/EXT	5 Hz ~ 70 kHz (-3 dB)
Tone controls	
BASS	50 Hz, +10 dB ~ -10 dB
TREBLE	20 kHz, +10 dB ~ -10 dB
Loudness control (volume at -30 dB)	50Hz, +9 dB
Output voltage	
REC OUT	150 mV
Channel balance,CD/AUX 250 Hz ~ 6,300 Hz	±1 db
Channel separation, AUX 1 kHz	45 dB
Headphones output level and impedance	470 mV/330Ω
Load impedance	
MAIN or REMOTE	4Ω ~ 16Ω
MAIN and REMOTE	8Ω ~ 16Ω

■ GENERAL

Power consumption	250W
Power supply	
For United Kingdom and Australia	AC 50 Hz/60 Hz,240V
For continental Europe	AC 50 Hz/60 Hz,220V
For others	AC 50 Hz/60 Hz, 110V/127V/220V/240V
Dimensions (W x H x D)	430 x 91 x 240 mm (16-15/16" x 3-13/16" x 9-7/16")
Weight	5.0 kg (10.9 lb.)

Notes:

1.Specifications are subject to change without notice. Weight and dimensions are approximate.

2.Total harmonic distortion is measured by the digital spectrum analyzer (H.P. 3045 system).

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

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■ BEFORE REPAIR

(1)Turn off the power supply. Using a 10Ω, 5W resistor connect both ends of power supply capacitors(C901,C902,4700μF) in order to discharge the voltage.

(2)Before turning the power supply on , after completion of repair , slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50Hz/60Hz in NO SIGNAL mode should be shown below with respect to supply voltage 110V/127V/220V/240V.

Power supply voltage	AC110V	AC127V	AC220V	AC240V
Consumed current 50Hz	130 ~ 290mA	120 ~ 260mA	65 ~ 145mA	60 ~ 140mA
Consumed current 60Hz	120 ~ 260mA	110 ~ 250mA	60 ~ 140mA	50 ~ 130mA

■ PROTECTION CIRCUITRY

The protection circuitry may have operated if either of the following conditions is noticed:

* No sound is heard when the power is switched ON.

* Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted" , or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.

If this occurs, follow the procedure outlined below:

1.Switch OFF the power.

2.Determine the cause of the problem and correct it.

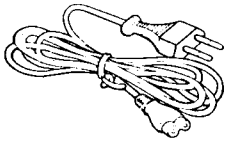
3.Switch ON the power once again.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

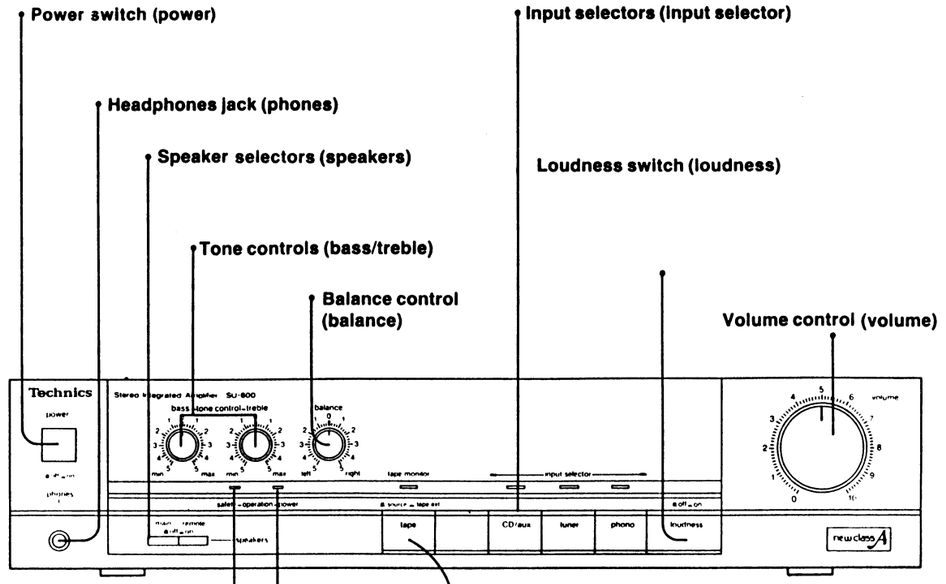
■ ACCESSORY

●Power supply cord 1



SJA173...(XL)
SJA183...(XB)
SJA185...(XA)
SFDAC05E03...(E, EG, EF, EH, EB, EI)
SFDAC05G02...(EK)

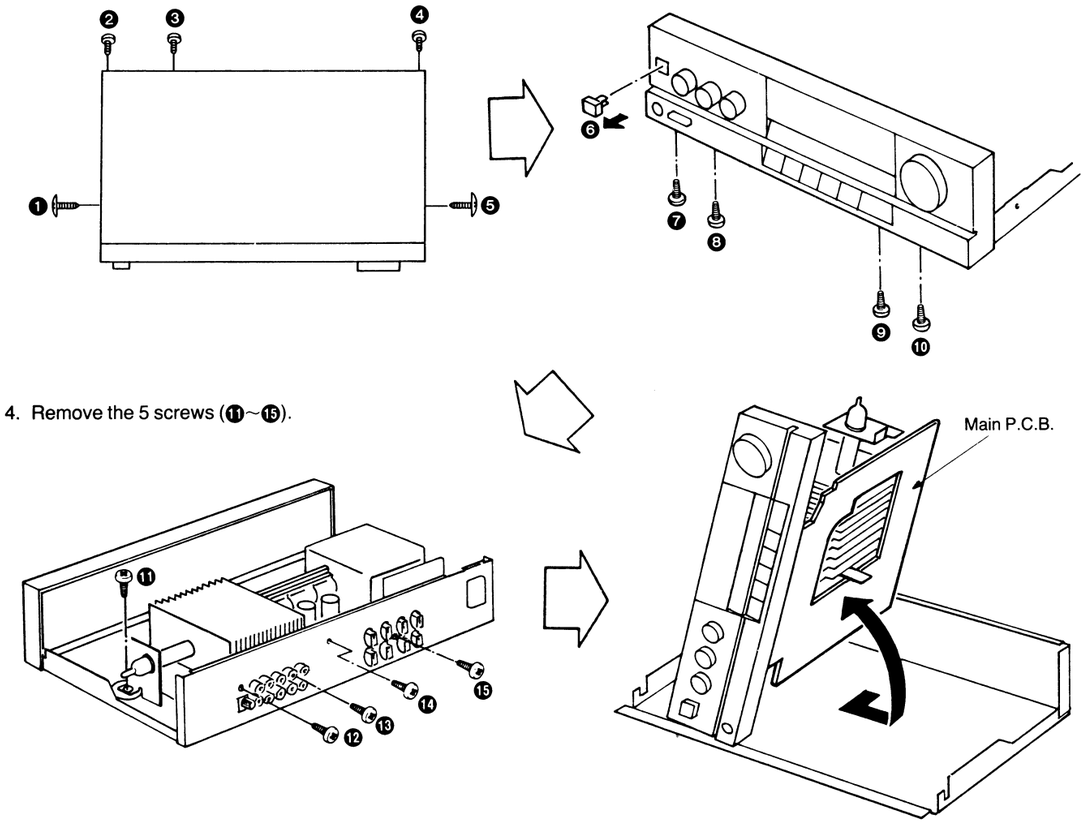
■ LOCATION OF CONTROLS



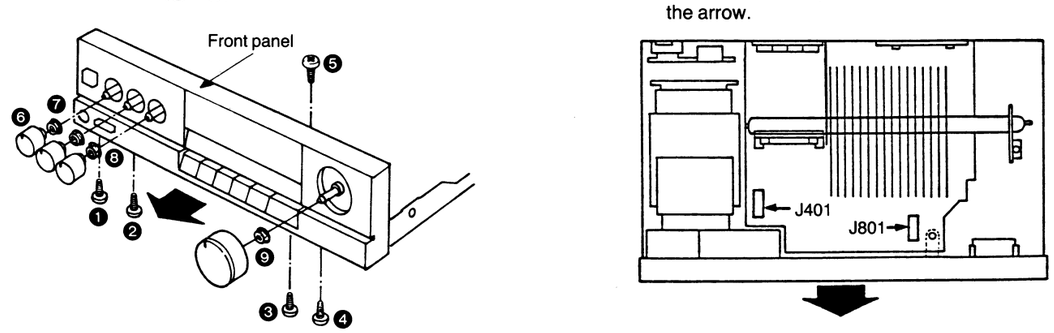
- The power supply for this unit varies depending upon the areas. Also, the parts used for power supply are different. So, refer to the circuit diagram and replacement parts list.
- [XA] area is provided with voltage selector and AC outlets.
- 240 V (50/60 Hz) for Australia and United Kingdom.
- 220 V (50/60 Hz) for Continental Europe.
- 110 V/127 V/220 V/240 V (50/60 Hz) for other [XA] and [XB] areas.
- Phono input capacitance is about 100 pF.

■ DISASSEMBLY INSTRUCTIONS

Ref. No. 1	How to remove the main P.C.B.
Procedure 1	1. Remove the 5 screws (❶~❺). 2. Remove the power switch button (❻) in the direction of the arrow. 3. Remove the 4 screws (❼~❿). 4. Remove the 5 screws (⓫~⓯).



Ref. No. 2	How to remove the front panel
Procedure 2	1. Remove the cabinet. 2. Remove the 5 screws (❶~❺). 3. Pull out the knobs and remove the 4 nuts (❻~❾). 4. Remove the tone control P.C.B., operation LED P.C.B. 5. Remove the connector (J401, J801) 6. Remove the front panel in the direction of the arrow.



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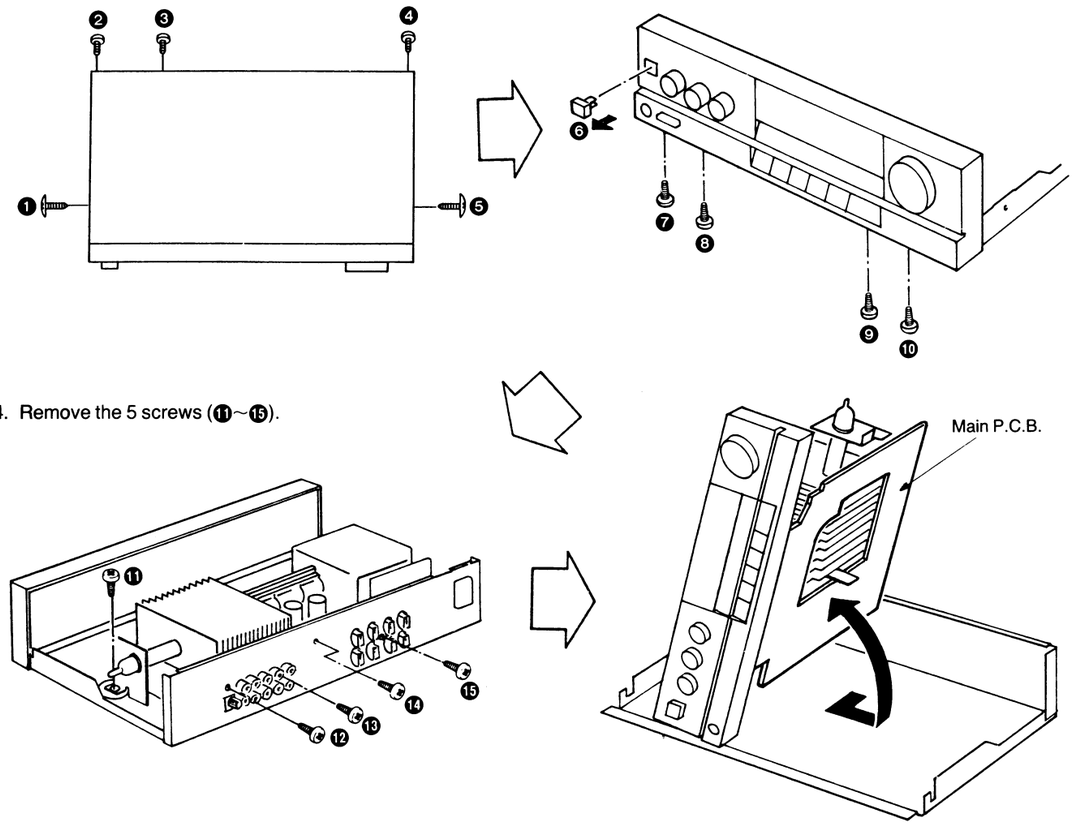

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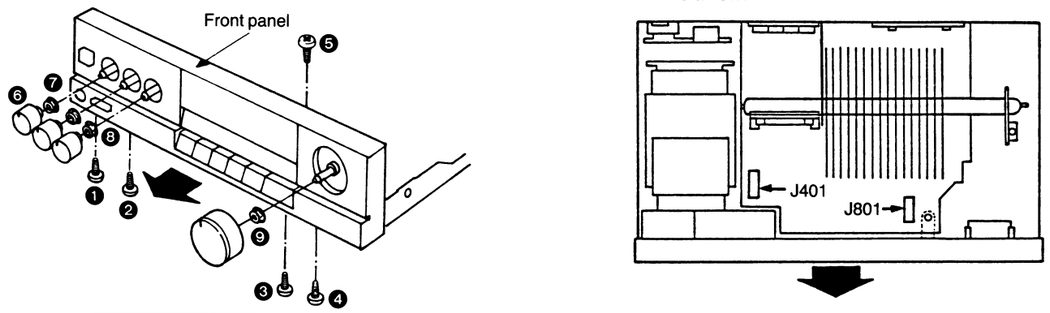
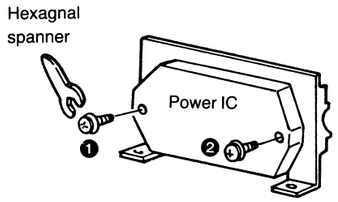
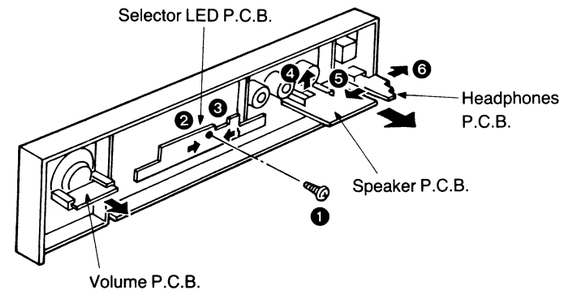


Ref. No. 3	How to remove the Power IC
Procedure 1 → 3	1. Remove the 2 screws (❶, ❷). 2. Unsolder the power IC.



●When mounting the power IC, apply silicon thermal compound (SZZ0L15 or equivalent) to the rear of the power IC.

Ref. No. 4	How to remove the P.C.B.
Procedure 2 → 4	1. Remove the 1 screw (❶). 2. Remove the 5 tabs (❷~❻). 3. Remove the volume P.C.B., muting switch, selector LED P.C.B., speaker P.C.B. and headphones P.C.B. in the direction of the arrow.



●Terminal guide of transistors, diodes and IC's

AN6552F 8 pin AN6558F 8 pin	SVI3102A 18 pin	M5218L M5220L	2SC3112 2SK381DTA
1SR35200TB SVDS2V20	MA4068MTA MA4075MTA	LN846RP-C LN446YP-C	LN04133OP

SU-600 SU-600

A PHONO EQ, AMP/INPUT SELECT/ POWER AMP/POWER SOURCE CIRCUIT

IC201 AN6558F--[EG] area
AN6552F--others
PHONO EQUALIZER AMP

GND
L ch
PHONO
TUNER
CD / AUX
REC OUT
TAPE 1
PLAYBACK
R ch
PHONO
TUNER
CD / AUX
REC OUT
TAPE 1
PLAYBACK

S2-1 (PHONO)
S2-2 (TUNER)
S2-3 (CD/AUX)
S3-1 (TAPE 1)
S2-4 (LOUDNESS)

D801 (PHONO) D802 (TUNER) D803 (CD/AUX)
D801 ~ 803 LN041330P
D805 LN041330P (TAPE 1)

B INPUT IND. CIRCUIT

C VOLUME CIRCUIT

D TONE AMP CIRCUIT

IC301 M5220L--[EG] area
M5218L--others
TONE AMP

E LED CIRCUIT

D602 LN4467P (SAFETY IND.)
D601 LN8467RP (POWER IND.)

IC401 SV13102A POWER AMP

Q602 2SK381 LED DRIVE

Q603 2SC3312 LED DRIVE

F SPEAKER SWITCH CIRC

S4-1 (MAIN)
S4-2 (REMOTE)
SPEAKERS

Not used (EK,XB)
For [EG,EF] are

S6A (SPEAKER IMPEDA

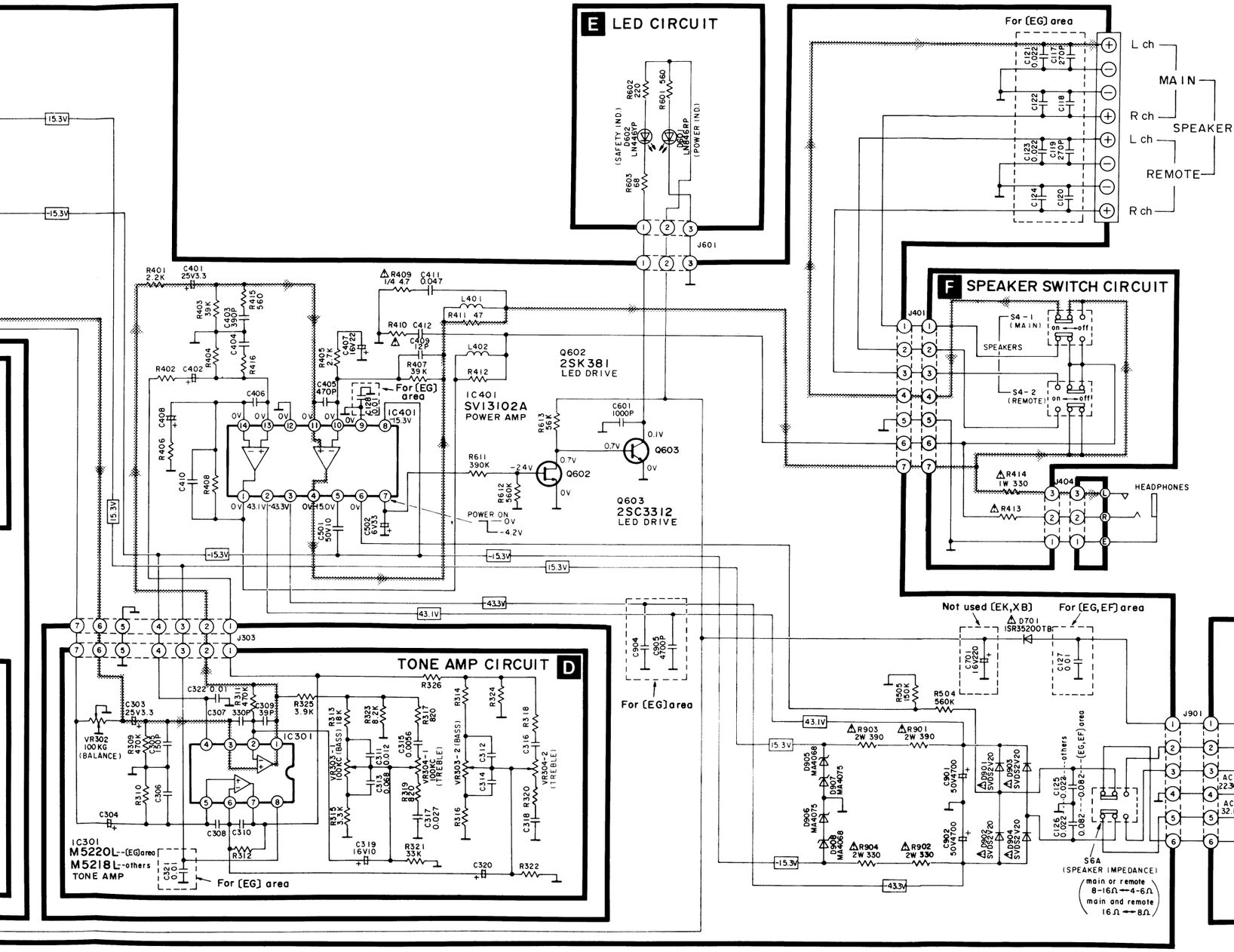
For [EG] area

■ SCHEMATIC DIAGRAM

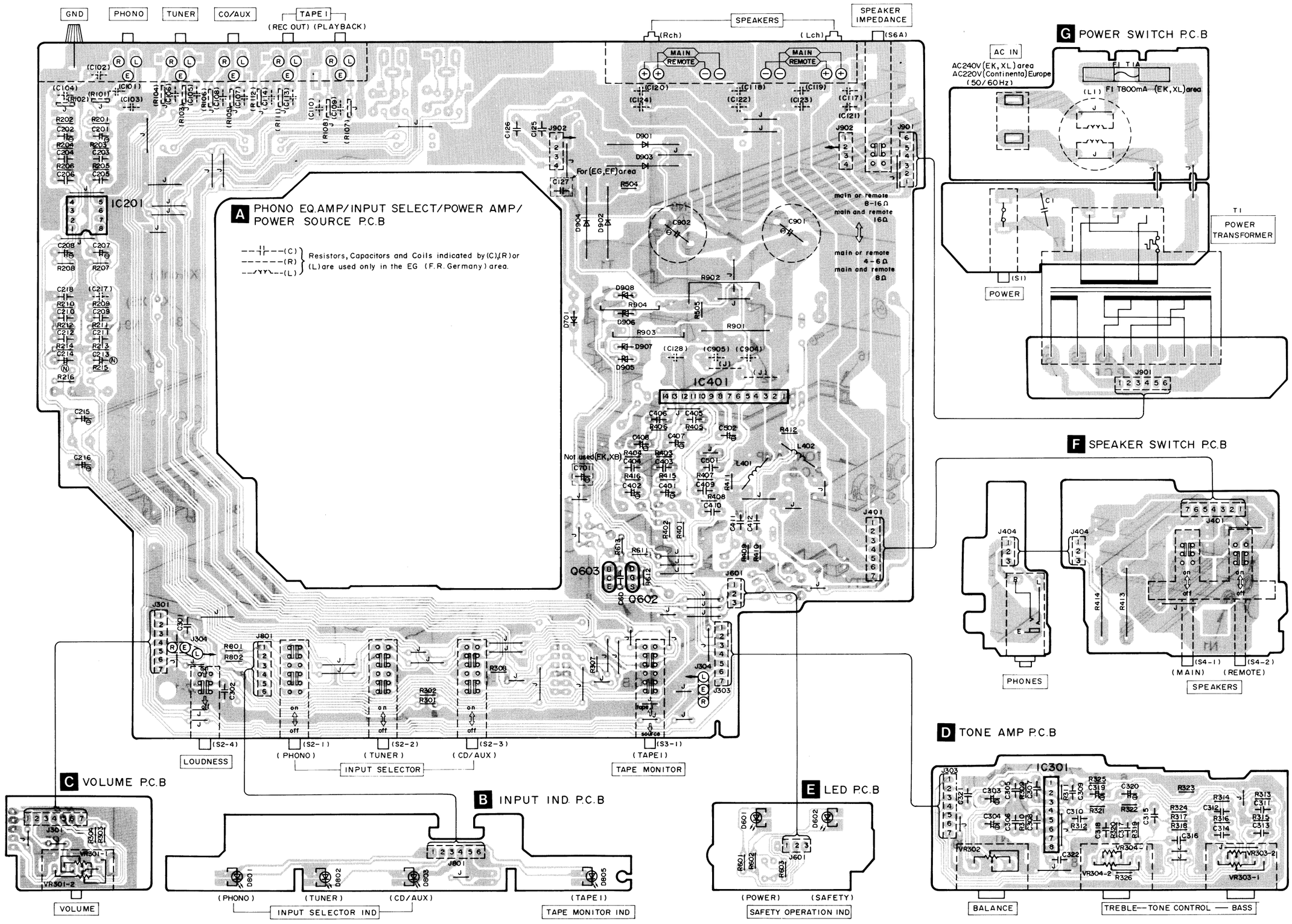
(This schematic diagram may be modeified at any time with the development of new technology.)

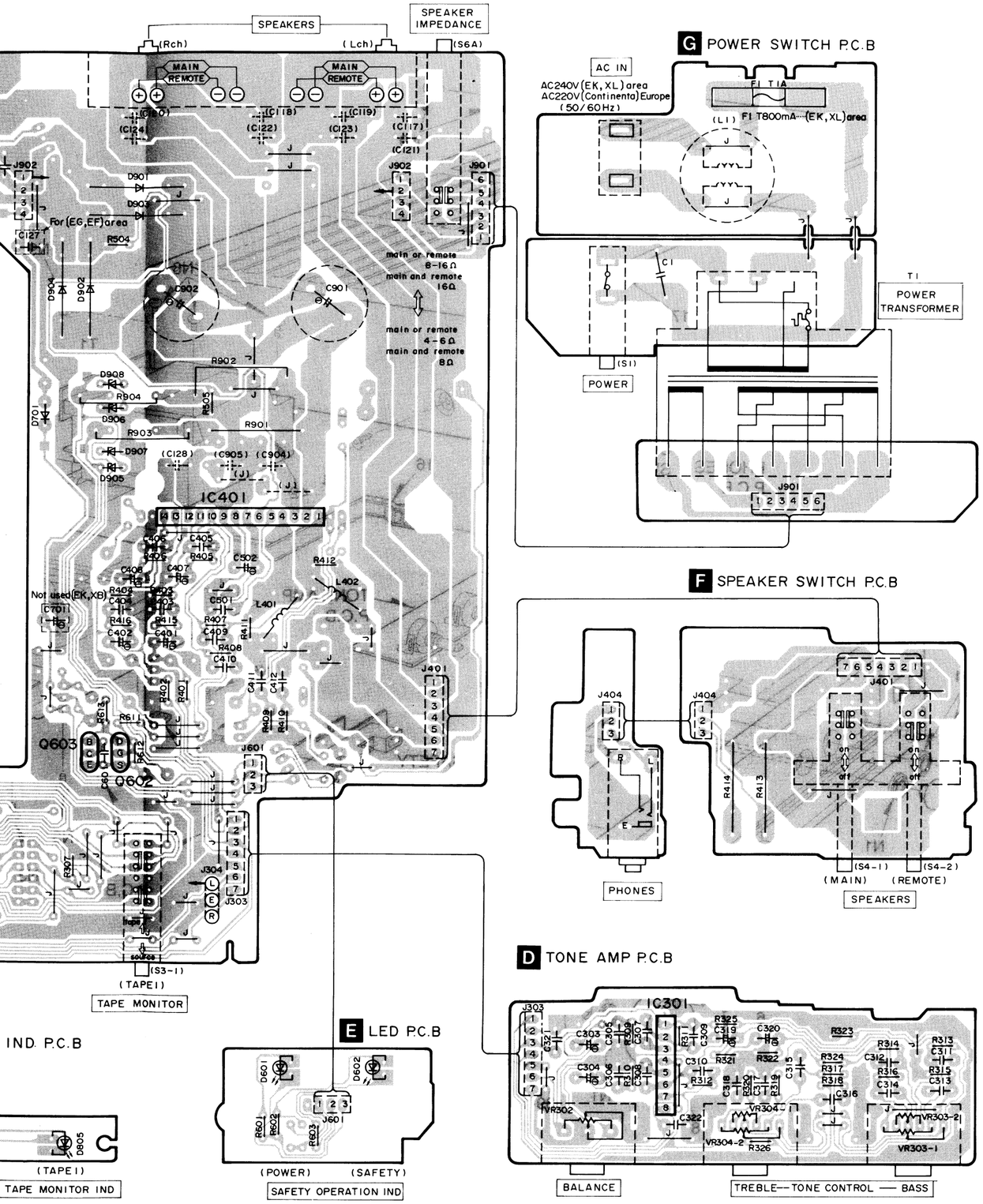
Notes:

1. **S1:** Power switch in **"on"** position.
2. **S2-1~S2-3:** Input selector switch in **"phono"** position.
   S2-1: phone S2-2: tuner
   S2-3: CD/AUX
3. **S2-4:** Loudness switch in **"off"** position.
4. **S3-1:** Tape monitor switch in **"source"** position.
5. **S4-1:** Main speaker switch in **"on"** position.
6. **S4-2:** Remote speaker switch **"off"** position.
7. **S6A:** Impedance selector switch in **"8~16Ω"** position.
8. **S6B:** Voltage selector in **"240 V"** position.
   (For [XA] and [XB] areas only)
9. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
10. Phono signal line (Lch)
    Rec out signal line (Lch)
    Positive and negative voltage lines
11. Important safety notice:
    Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

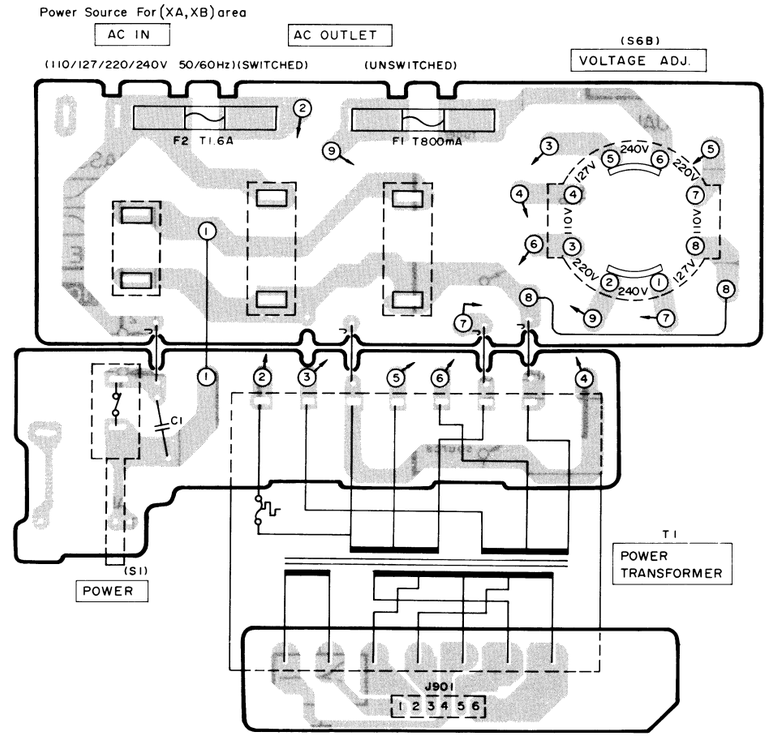


■ PRINTED CIRCUIT BOARDS

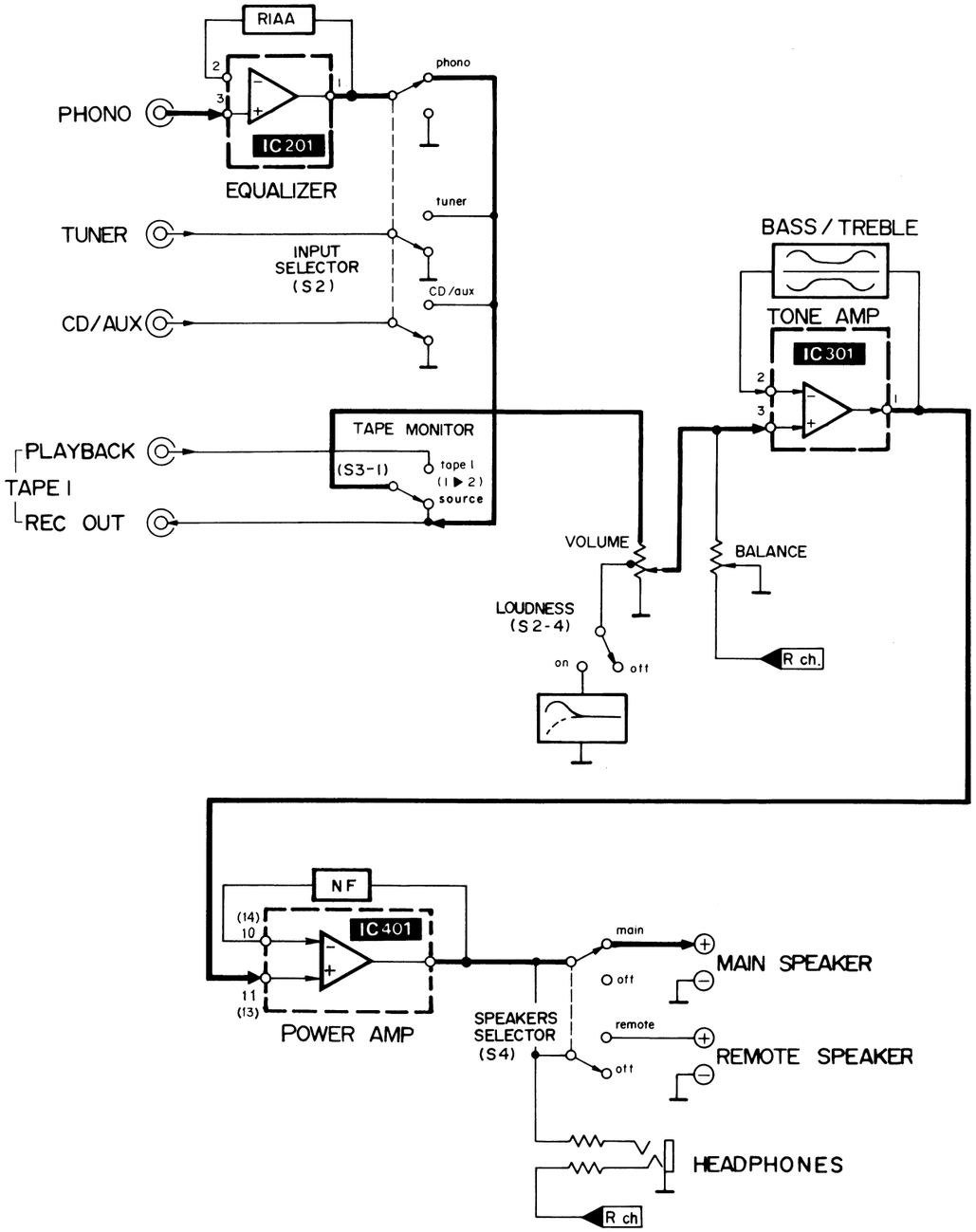




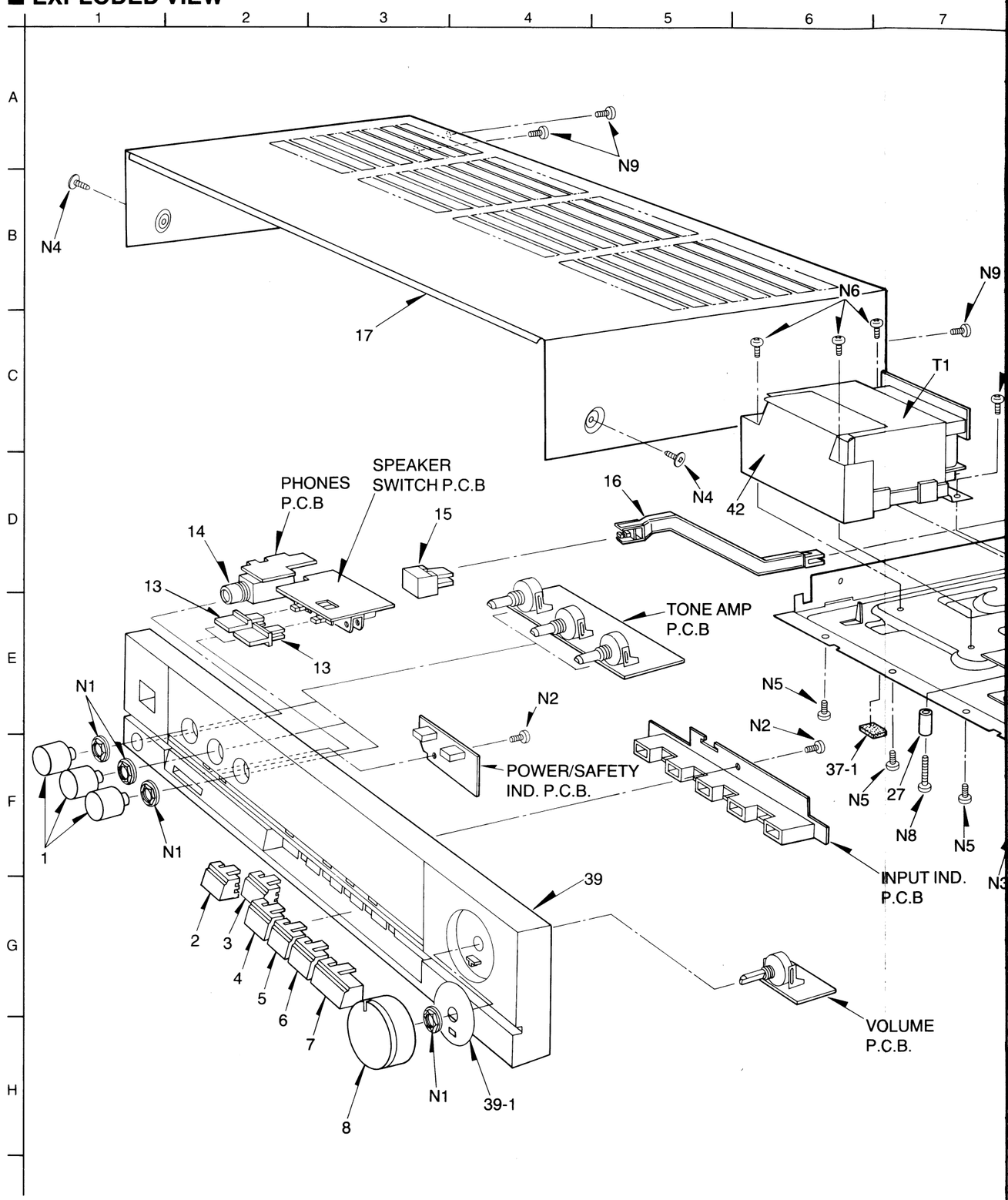
●Power Source for [XA] and [XB] areas



■ BLOCK DIAGRAM



■ EXPLODED VIEW



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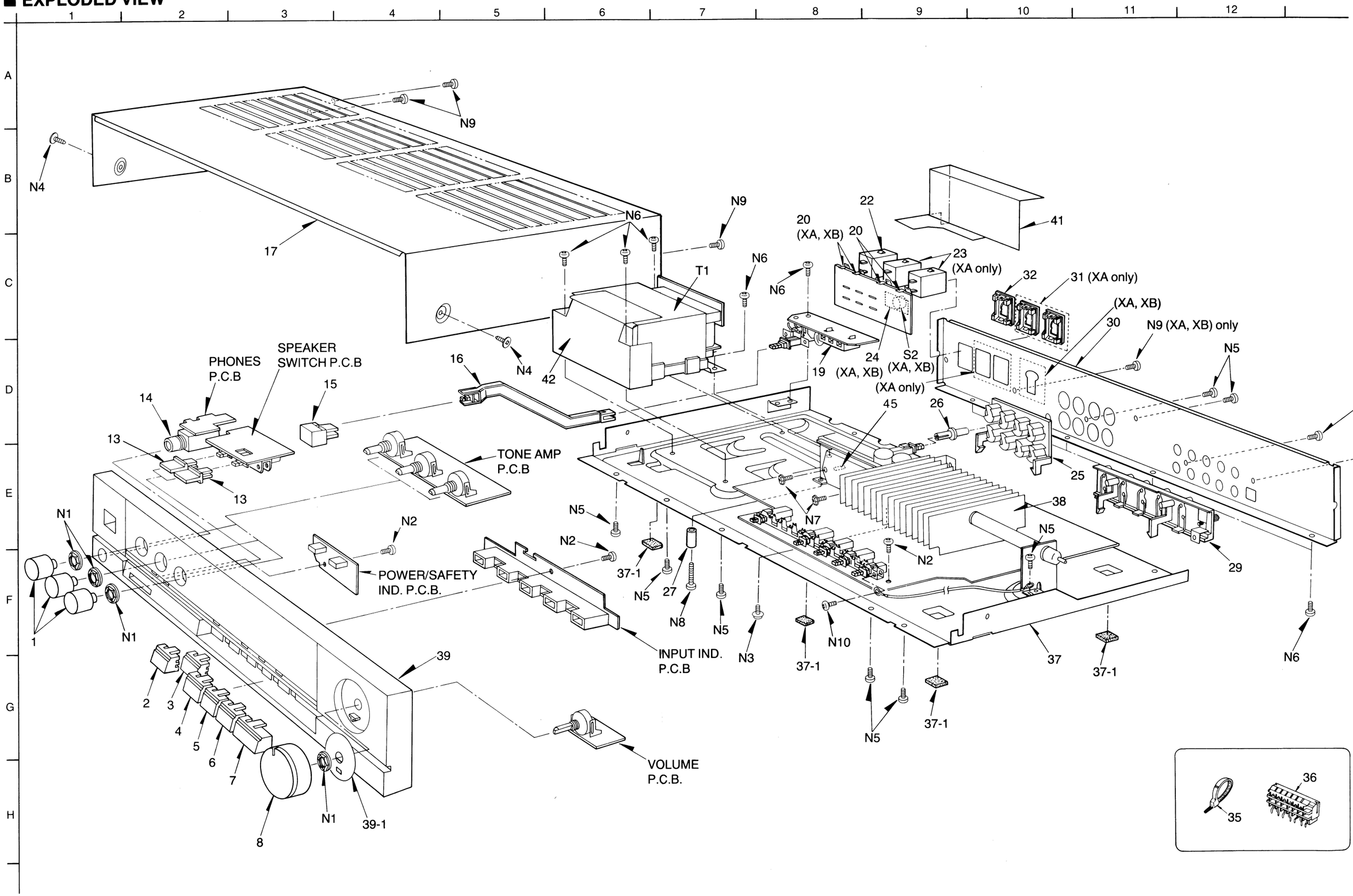

■ REPLACEMENT PARTS LIST

Notes : * Important safety notice :
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
* Bracketed indications in Ref. No. columns specify the area. (Refer to the first page for area.)
Parts without these indications can be used for all areas.
* Remote Control Ass'y:
Supply period for three years from termination of production.

Ref. No.	Part No.	Description
INTEGRATED CIRCUITS		
IC201 (E, EK, EF, EH) (EB, EI, XL) (XA, XB)	AN6552F	I.C, PHONO EQ
IC201 (EG)	AN6558F	I.C, PHONO EQ
IC301 (E, EK, EF, EH) (EB, EI, XL) (XA, XB)	M5218L	I.C, TONE AMP
IC301 (EG)	M5220L	I.C, TONE AMP
IC401	SVI3102A	I, C, POWER AMP
TRANSISTORS		
Q602	2SK381DTA	TRANSISTOR
Q603	2SC3112	TRANSISTOR
DIODES		
D601	LN846RP-C	L.E.D
D602	LN446YP	L.E.D
D701 ⚠	SVD1SR35200A	RECTIFIER
D901	SVDS2V20	RECTIFIER
D902	SVDS2V20	RECTIFIER
D903	SVDS2V20	RECTIFIER
D904	SVDS2V20	RECTIFIER
D905	MA4068M	DIODE
D906	MA4068M	DIODE
D907	MA4075M	DIODE
D908	MA4075M	DIODE
LED	LN041330P	DIODE, GAASP
VARIABLE RESISTORS		
VR301	EWCXUAF20B15	VR, MAIN VR
VR302	EWHF5AF20G15	VR, BALANCE
VR303	EWCS6A020C15	VR, TONE VR
VR304	EWCS6A020C15	VR, TONE VR
COILS AND TRANSFORMERS		
L1 (EG)	SLQZ650MH49	CHOKE COIL
L401	SLQY07G-40	CHOKE COIL
L402	SLQY07G-40	CHOKE COIL
T1 ⚠ (E, EG, EF, EH) (EB, EI)	SLT5M478-W1	POWER TRANSFORMER
T1 ⚠ (EK, XL)	SLT5M479-W1	POWER TRANSFORMER
T1 ⚠ (XA, XB)	SLT5M480-W1	POWER TRANSFORMER
FUSES		
F1 ⚠ (EK, XL, XA) (XB)	XBA2C08TB0	FUSES 250V, T0.8A
F1 ⚠ (E, EG, EF, EH) (EB, EI)	XBA2C10TB0	FUSE 250V, T1A
F1 ⚠ (XA, XB)	XBA2C16TB0	FUSE 250V, A1.6A
SWITCHES		
S1 ⚠ (XA, XB)	ESB8248V	SW, POWER SW
S1 ⚠ (E, EG, EK, EF) (EH, EB, EI) (XL)	ESB8249V	SW, POWER SW
S2 ⚠ (XA, XB)	ESE37263	SW, VOLTAGE SELECTOR
S3	SSH578	SW, INPUT SELECTOR
S4	SSH1193	SW, SPEAKER IMPEDANCE
S5	SSH2122	SW, SPEAKER SW

Ref. No.	Part No.	Description
CABINET AND CHASSIS		
1 Ⓚ	SBN1032-4	KNOB
1 Ⓢ	SBN1032-2	KNOB
2 Ⓚ	SBC839E	BUTTON
2 Ⓢ	SBC839-1E	BUTTON
3 Ⓚ	SGX9025	ORNAMENT
3 Ⓢ	SGX9025-1	ORNAMENT
4 Ⓚ	SBC839C	BUTTON
4 Ⓢ	SBC839-1C	BUTTON
5 Ⓚ	SBC839B	BUTTON
5 Ⓢ	SBC839-1B	BUTTON
6 Ⓚ	SBC839A	BUTTON
6 Ⓢ	SBC839-1A	BUTTON
7 Ⓚ	SBC840A	BUTTON
7 Ⓢ	SBC840-1A	BUTTON
8 Ⓚ	SBN1208	KNOB
8 Ⓢ	SBN1111	KNOB
13 Ⓚ	SBC315-7	BUTTON
13 Ⓢ	SBC315-4T	BUTTON
14	SJJ134B	JACK
15 Ⓚ	SBC666-5	BUTTON
15 Ⓢ	SBC666	BUTTON, POWER
16	SUB275	ROD
17 Ⓚ	SKC1880K993	CABINET BODY
17 Ⓢ	SKC1880S983	CABINET BODY
19 (E, EG, EK, EF) (EH, EB, EI) (XL)	SJS305-1	JACK
20	SJT388	FUSE HOLDER
22 ⚠ (E, EG, EK, EF) (EH, EB, EI)	SJS9231-1B	AC INLET
22 ⚠ (XA, XB)	SJS9231-1B	AC INLET
22 ⚠ (XL)	SJS9234B	AC INLET
23 ⚠ (XA)	SJS9232B	AC.OUTLET
24 (XA, XB)	SHW35K150-1	WASHER
25	SJF4818-1	TERMINAL BOARD
26	SBC165	BUTTON, IMPEDANCE
27	SUD472	SPACER
29	SJF3062-1N	TERMINAL BOARD
30 (XA)	SGP7291-1A	REAR PANEL
30 (E, EF, EH, EB) (EI)	SGP7291A	REAR PANEL
30 (EK)	SGP7291B	REAR PANEL
30 (EG)	SGP7291C	REAR PANEL
30 (XL)	SGP7291D	REAR PANEL
30 Ⓚ (XB)	SGP7291-2A	REAR PANEL
31 (XA)	SJS9330A	OUTLET COVER
32 (E, EG, EK, EF) (EH, EB, EI) (XA, XB)	SJS9231A	AC INLET COVER
32 (XL)	SJS9234A	AC INLET COVER
36	SJT30640LX-V	CONNECTOR
36	SJT30740LX-V	CONNECTOR
37	SKUU600-KE	BOTTOM BOARD
37-1	SKL293	FOOT
38	SXE1134	HEAT SINK
39 Ⓚ	SGWU600-KE	FRONT PANEL
39 Ⓢ	SGWU600-SE	FRONT PANEL
39-1 Ⓚ	SMC6424-1	SHIELD COVER
41	SMX943	RECTIFIER
42	SMC1195-4	SHIELD COVER
N1	SNE4021	NUT
N2	XTB3+8G	SCREW
N3	XTW3+8T	SCREW
N4 Ⓚ	SNE2129-3	SCREW
N4 Ⓢ	SNE2129-2	ORNAMENT SCREW
N5	XTBS3+8JFZ1	SCREW
N6	XTB3+6FFZ	SCREW
N7	SNE2126	ORNAMENT SCREW
N8	XTB3+16J	SCREW
N9 (XA, XB)	SNE2095-5	NUT
N9	XTBS3+8JFZ1	SCREW
N10	XSN3+6S	SCREW

Ref. No.	Part No.	Description
PACKING MATERIAL		
P1 (EF)	SPG6189	PACKING CASE
P1 Ⓚ (E, EG, EK, EH) (EB, EI, XL) (XA, XB)	SPG6187	CARTON BOX
P1 Ⓢ (E, EG, EK, EH) (EB, EI, XL) (XA)	SPG6188	PACKING CASE
P2	SPS5104	PAD
P3	SPS5105	PAD
P4	SPS5106	PAD
P5	SPP719	PROTECTION COVER
ACCESSORIES		
A2 ⚠ (E, EG, EF, EH) (EB, EI)	SFDAC05E03	POWER CORD
A2 ⚠ (EK)	SFDAC05G02	POWER CORD
A2 ⚠ (XL)	SJA173	POWER CORD
A2 ⚠ (XB)	SJA183	POWER CORD
A2 ⚠ (XA)	SJA185	POWER CORD
A4 (E, EH, EB)	SQF13134	INSTRUCTION BOOK
A4 (EG)	SQF13135	INSTRUCTION BOOK
A4 (EK)	SQF13136	INSTRUCTION BOOK
A4 (XA)	SQF13137	INSTRUCTION BOOK
A4 (EF, XL)	SQF13165	INSTRUCTION BOOK
A4 (EI)	SQF13166	INSTRUCTION BOOK
A4 Ⓚ (XB)	SQF13138	INSTRUCTION BOOK
A5 ⚠ (XA, XB)	RJP120ZBS-H	AC PLUG ADAPTOR

■ RESISTORS AND CAPACITORS

Numbering System of Resistor

Example:

ERD	25	F	J	101
Type	Wattage	Shape	Tolerance	Value (100Ω)

ERJ	6G	C	J	2R2
Type	Wattage	Shape	Tolerance	Value (2.2Ω)

Numbering System of Capacitor

Example:

ECKD	1H	102	Z	F
Type	Voltage	Value (1000pF)	Tolerance	Peculiarity

ECEA	50	M	R47
Type	Voltage	Peculiarity	Value (0.47μF)

Resistor Type		Wattage	Tolerance
ERD:	Carbon Resistor	10 : 1/8W	F : ±1%
ERC:	Solid Resistor	25 : 1/4W	G : ±2%
ERF:	Incombustible Box-Shaped Wire-Wound Resistor	50 : 1/2W 18 : 1/8W 14 : 1/4W 12 : 1/2W	J : ±5% K : ±10% M : ±20%
ERG:	Metal Oxide-Film Resistor	1 : 1W 2 : 2W	
ERM:	Wire-Wound Resistor	3 : 3W S1 : 1/2W	
ERO:	Superstable Metal Film Resistor	S2 : 1/4W 6G : 1/10W 8G : 1/8W	
ERX:	Metal-Film Resistor		
RRJ: ERJ:	Chip Resistor		

Capacitor Type		Voltage	Tolerance
ECCD:	Ceramic Capacitor (Chitacon)	(ECCD, ECKD Type) 1H : 50V DC 2H : 500V DC	K : ±10% M : ±20%
ECKD:	Ceramic Capacitor (Chitabari)	(ECFD Type) C : 12V DC D : 25V DC	Z : +80% −20%
ECFD:	Semiconductor Ceramic Capacitor	E : 50V DC (ECQ Type)	J : ±5% G : ±2%
ECE□: ECS□:	Electrolytic Capacitor Tantalum Fixed Electrolytic Capacitor	05 : 50WV DC 1 : 100WV DC (ECE, ECS Type) 0G : 4V 0J : 6.3V	F : ±1% C : ±0.25pF D : ±0.5pF
ECQ□:	Polystyrenc Film Capacitor	1A : 10V 1C : 16V 1E : 25V 1V : 35V	
ECQS:	Polystyrene Film Capacitor	1H : 50V 1J : 63V 2A : 100V	
ECQS:	Polypropylene Film Capacitor		
ECQV:	T.F Capacitor		
ECU□: RCU□:	Chip Capacitor		
ECBT:	Cylindrical Ceramic Capacitor		

※ Capacity are in microfarads (μF) unless specified otherwise, P=Pico-farads.
※ Resistance are in ohms (Ω), unless specified otherwise, 1K=1,000Ω, 1M=1,000KΩ

Ref. No.	Part No.	Value.
RESISTORS(VALUE,WATTAGE)		
R101 (EG)	ERDS2TJ471	470 1/4
R102 (EG)	ERDS2TJ471	470 1/4
R103 (EG)	ERDS2TJ471	470 1/4
R104 (EG)	ERDS2TJ471	470 1/4
R105 (EG)	ERDS2TJ471	470 1/4
R106 (EG)	ERDS2TJ471	470 1/4
R107 (EG)	ERDS2TJ471	470 1/4
R108 (EG)	ERDS2TJ471	470 1/4
R111 (EG)	ERDS2TJ102	1K 1/4
R112 (EG)	ERDS2TJ102	1K 1/4
R113 (EG)	ERDS2TJ102	1K 1/4
R114 (EG)	ERDS2TJ102	1K 1/4
R201	ERDS2TJ391	390 1/4
R202	ERDS2TJ391	390 1/4
R203	ERDS2TJ224	220K 1/4
R204	ERDS2TJ224	220K 1/4
R205	ERDS2TJ563	56K 1/4
R206	ERDS2TJ563	56K 1/4
R207	ERDS2TJ271	270 1/4
R208	ERDS2TJ271	270 1/4
R209	ERDS2TJ184	180K 1/4
R210	ERDS2TJ184	180K 1/4
R211	ERDS2TJ123	12K 1/4
R212	ERDS2TJ123	12K 1/4
R213	ERDS2TJ563	56K 1/4
R214	ERDS2TJ563	56K 1/4
R215	ERDS2TJ561	560 1/4
R216	ERDS2TJ561	560 1/4
R301	ERDS2TJ222	2.2K 1/4
R302	ERDS2TJ222	2.2K 1/4
R303	ERDS2TJ123	12K 1/4
R304	ERDS2TJ123	12K 1/4
R307	ERDS2TJ563	56K 1/4
R308	ERDS2TJ563	56K 1/4
R309	ERDS2TJ474	470K 1/4
R310	ERDS2TJ474	470K 1/4
R311	ERDS2TJ474	470K 1/4
R312	ERDS2TJ474	470K 1/4
R313	ERDS2TJ183	18K 1/4
R314	ERDS2TJ183	18K 1/4
R315	ERDS2TJ332	3.3K 1/4
R316	ERDS2TJ332	3.3K 1/4
R317	ERDS2TJ821	820 1/4
R318	ERDS2TJ821	820 1/4
R319	ERDS2TJ821	820 1/4
R320	ERDS2TJ821	820 1/4
R321	ERDS2TJ333	33K 1/4
R322	ERDS2TJ333	33K 1/4
R323	ERDS2TJ822	8.2K 1/4
R324	ERDS2TJ822	8.2K 1/4
R325	ERDS2TJ392	3.9K 1/4
R326	ERDS2TJ392	3.9K 1/4
R401	ERDS2TJ222	2.2K 1/4
R402	ERDS2TJ222	2.2K 1/4
R403	ERDS2TJ393	39K 1/4
R404	ERDS2TJ393	39K 1/4
R405	ERDS2TJ272	2.7K 1/4
R406	ERDS2TJ272	2.7K 1/4
R407	ERDS2TJ393	39K 1/4
R408	ERDS2TJ393	39K 1/4
R409	ERD25FJ4R7	4.7 1/4
R410	ERD25FJ4R7	4.7 1/4
R411	ERDS2TJ470	47 1/4
R412	ERDS2TJ470	47 1/4
R413	ERG1ANJ331	330 1
R414	ERG1ANJ331	330 1
R415	ERDS2TJ561	560 1/4
R416	ERDS2TJ561	560 1/4
R504	ERDS2TJ564	560K 1/4
R505	ERDS2TJ154	150K 1/4
R601	ERDS2TJ561	560 1/4
R602	ERDS2TJ221	220 1/4
R603	ERDS2TJ680	68 1/4
R611	ERDS2TJ394	390K 1/4
R612	ERDS2TJ564	560K 1/4
R613	ERDS2TJ563	56K 1/4
R801	ERDS2TJ561	560 1/4
R802	ERDS2TJ471	470 1/4
R901	ERG2ANJP391S	390 2
R902	ERG2ANJP331S	330 2
R903	ERG2ANJP391S	390 2
R904	ERG2ANJP331S	330 2
CAPACITORS(VALUE,VOLTAGE)		
C1	ECKWNS103ZVS	0.01
C101 (EG)	ECCD1H180KC	18P 50
C102 (EG)	ECCD1H180KC	18P 50
C103 (EG)	ECCD1H151K	150P 50
C104 (EG)	ECCD1H151K	150P 50
C105 (EG)	ECCD1H151K	150P 50
C106 (EG)	ECCD1H151K	150P 50
C107 (EG)	ECCD1H151K	150P 50
C108 (EG)	ECCD1H151K	150P 50
C109 (EG)	ECCD1H151K	150P 50
C110 (EG)	ECCD1H151K	150P 50
C113 (EG)	ECCD1H151K	150P 50
C114 (EG)	ECCD1H151K	150P 50
C115 (EG)	ECCD1H151K	150P 50
C116 (EG)	ECCD1H151K	150P 50
C117 (EG)	ECKD1H271KB	270P 50
C118 (EG)	ECKD1H271KB	270P 50
C119 (EG)	ECKD1H271KB	270P 50
C120 (EG)	ECKD1H271KB	270P 50
C121 (EG)	ECKD1H223PF	0.022 50
C122 (EG)	ECKD1H223PF	0.022 50
C123 (EG)	ECKD1H223PF	0.022 50
C124 (EG)	ECKD1H223PF	0.022 50
C125 (E, EK, EH, EB) (E1, XL, XA) (XB)	ECKD1H223PF	0.022 50
C125 (EG, EF)	ECQM1H823JZ	0.082 50
C126 (E, EK, EH, EB) (E1, XL, XA) (XB)	ECKD1H223PF	0.022 50
C126 (EG, EF)	ECQM1H823JZ	0.082 50
C127 (EG, EF)	ECKD1H103PF	0.01 50
C128 (EG)	ECKD1H103PF	0.01 50
C201	ECEA1EK3R3B	3.3 25
C202	ECEA1EK3R3B	3.3 25
C203	ECCD1H101K	100P 50
C204	ECCD1H101K	100P 50
C205 (E, EK, EF, EH)	ECKD1H102KB	0.001 50
(EB, E1, XL) (XA, XB)		
C205 (E, EK, EF, EH)	ECKD1H471KB	470P 50
(EB, E1, XL) (XA, XB)		
C206 (EG)	ECKD1H102KB	0.001 50
C206 (E, EK, EF, EH)	ECKD1H471KB	470P 50
(EB, E1, XL) (XA, XB)		
C207	ECEA0JU330	33 6.3
C208	ECEA0JU330	33 6.3
C209	ECFTD223KXL	0.022 25
C210	ECFTD223KXL	0.022 25
C211	ECFTD682KXL	0.0068 25
C212	ECFTD682KXL	0.0068 25
C213	ECEA1HN010S	1 50
C214	ECEA1HN010S	1 50
C215	ECEA1CU101	100 16
C216	ECEA1CU101	100 16
C217 (EG)	ECKD1H103PF	0.01 50
C218	ECKD1H103PF	0.01 50
C301	ECFTD333KXL	0.033 25
C302	ECFTD333KXL	0.033 25
C303	ECEA1EK3R3B	3.3 25
C304	ECEA1EK3R3B	3.3 25
C305	ECCD1H151K	150P 50
C306	ECCD1H151K	150P 50
C307	ECKD1H331KB	330P 50
C308	ECKD1H331KB	330P 50
C309	ECCD1H390K	39P 50
C310	ECCD1H390K	39P 50
C311	ECFTD123KXL	0.012 25
C312	ECFTD123KXL	0.012 25
C313	ECFTD683KXL	0.068 25
C314	ECFTD683KXL	0.068 25
C315	ECFTD562KXL	0.0056 25
C316	ECFTD562KXL	0.0056 25
C317	ECFTD273KXL	0.027 25
C318	ECFTD273KXL	0.027 25
C319	ECEA1CKS100	10 16
C320	ECEA1CKS100	10 16
C321	ECKD1H103PF	0.01 50
C322	ECKD1H103PF	0.01 50
C401	ECEA1EK3R3B	3.3 25
C402	ECEA1EK3R3B	3.3 25
C403	ECKD1H391KB	390P 50
C404	ECKD1H391KB	390P 50
C405	ECKD1H471KB	470P 50
C406	ECKD1H471KB	470P 50
C407	ECEA1CK220	22 16
C408	ECEA1CK220	22 16
C409	ECCD1H120KC	12P 50
C410	ECCD1H120KC	12P 50
C411	ECKD1H473ZF	0.047 50
C412	ECKD1H473ZF	0.047 50
C501	ECEA1HN100S	10 50
C502	ECEA0JU330	33 6.3
C601	ECKD1H102KB	0.001 50
C701 ⚠ (E, EG, EF, EH) (EB, E1, XL) (XA)	ECEA1CU471	470 16
C901	ECES1HU472M	4700 50
C902	ECES1HU472M	4700 50
C904 (EG)	ECKD1H472ZF	0.0047 50
C905 (EG)	ECKD1H472ZF	0.0047 50

Printed in Japan
F8712000UM/MT/YY